

EcoRI

Bam HI (~900 bp) Bam HI

AAAAAATAAAAAATATGGTTGAATTTAGATTTATCTTCCTTTATATTAAAAAAATGTAATCCGGATTGCAA

Sublancin leader ----> Xho I

ACAAATGGGGAGGTTTTACAA ATGGAAAAGCTATTTAAAGAAGTTAAACTCGAGGAACTCGAAAACCAAA

| Sun A ----->
AAGGTAGT GGATTAGGAAAAGCTCAGTGTGCTGCGTTGTGGCTACAATGTGCTAGTGGCGGTACAATTGG

TTGTGGTGGCGGAGCTGTTGCTTGTCAAAACTATCGTCAATTCTGCAGA TAAAACATTTGTAGAGGGAAT

Figure 3

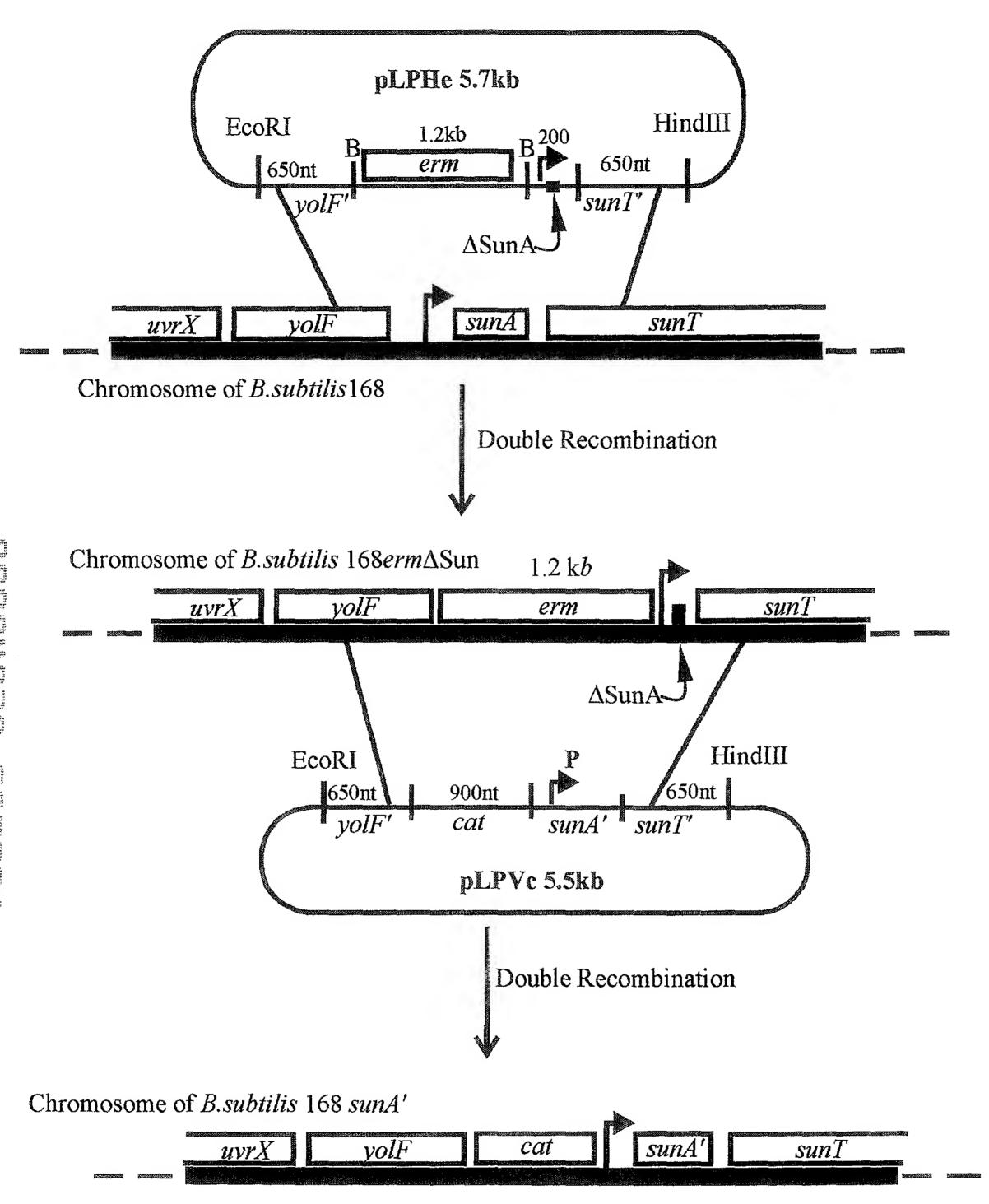
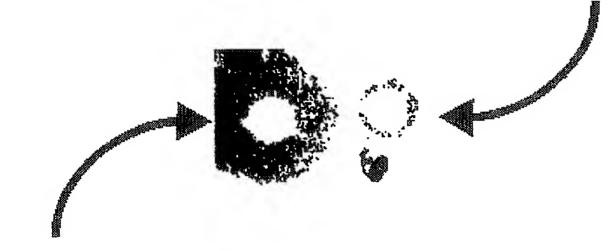


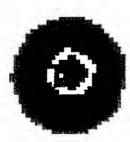
Figure 4

B. subtilis E∆Sun



B. subtilis 168

B



B. subtilis 168 SunA' Figure 5

→ pLPcat

TTGCAAACAAATGGGGAGGTTTTACAA

ATGGAAAAGCTATTTAAAGAAG

MetGluLysleuPheLysGluV

XhoI sublancin prep-TTAAACTCGAGGAACTCGAAAACCAAAAAGGTAGT GGATTAGGAAAAGC AllysLeuGluLeuGluAsnGluLysGlySer GlyLeuGlyLysAl

 $\label{tide} \begin{tabular}{l} tide \rightarrow \\ TCAGTGTGCTGCGTTGTGGCTACAATGTGCTAGTGGCGGTACAATTGGTT\\ aGlnCysAlaAlaLeuTrpLeuGlnCysAlaSerGlyGlyThrIleGlyC\\ \end{tabular}$

KasI GTGGTGGC<u>GGCGCC</u>GTTGCTTGTCAAAACTATCGTCAATTCTGTAGA<u>GGT</u> ysGlyGlyAlaValAlaCysGlnAsnTyrArgGlnPheCysArgGly

His Tag > Stop PstI

GGTGGTCATCATCATCATCATTAGAGTCCTGCAGATAAAACA

GlyGlyHisHisHisHisHis * pLPcat >>

Figure 6